

Technical Data Sheet

Version: 1.0
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Date: 18 / 6 / 2026



Item Name:

HN03

PRODUCT INFORMATION

Chinese Name:	硝酸
Commodity Name:	Nitric Acid
Chemical Name:	Nitric Acid
Other Name:	Acide Nitrique, Dilute Nitric Acid
CAS No.:	7697-37-2
Molecular Weight:	63
Molecular Formula:	HNO ₃
DG Class:	8
UN No.:	2031
Packing Group:	II

PRODUCT DESCRIPTION

Colorless or light yellow transparent liquid. It can be mixed with water in any proportion, features irritating and strong corrosion ability which can burn the skin. Nitric acid embrace active chemical properties, it can react with many metals.

Generally it is a kind of inorganic acid and strong oxidizer.

TECHNICAL SPECIFICATION

Index	Standard
Appearance	Colorless or light yellow transparent liquid
Nitric acid content by wt %	98
Nitrous acid by wt %	0.5
Sulphuric acid by wt %	0.08
Residue on ignition by wt %	0.02

MAIN APPLICATION

It's a kind of important raw chemical material, widely used in fertilizer, national defence, metallurgy, chemical fiber, printing and dyeing, pharmaceutical and other industries.

In inorganic industry, it's used in the manufacture of all kinds of nitrate, In fertilizer industrial it's made for nitrate and phosphate fertilizer, In organic industrial, it's used in the manufacture of nitro compounds, In dye industry it's used in the synthesis of intermediates, In the pharmaceutical industry it's used in the manufacture of pharmaceutical intermediates.

PACKING AND SHELF LIFE

Packing: Drum/IBC

Shelf Life: 24 months when stored in cool, dry and ventilated warehouse, away from incompatible materials.

DISCLAIMER

The information provided in this data sheets is for informational purposes only is considered reliable, but Rawchem doesn't guarantee how any other products associated with this information will behave in combination with variables to other matters. It's recommended to make adaptations to local working conditions and to the raw material to be used.